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喙丽金龟属新种记述

(金龟子科:丽金龟亚科)

林 平
(广东省昆虫研究所)

本文记述了在云南采获的金龟子科丽金龟亚科喙丽金龟属的新种 5 种。新种的模式标本存中国科学院动物研究所。

Adoretus (*Prionadoretus*) *runcinatus* 新种

体长 9—10 毫米, 体宽 4—4.7 毫米。

棕或深棕色。披灰白色短细卧毛,均匀不密, 底色显露, 极疏稀地夹杂较长的竖毛。

体长形,后部稍宽。唇基半圆形,边缘上卷,在黑色边缘后密生一列短毛,表面布锯齿状细刻和小粒疣;额唇基缝稍后弯;额头顶部刻点较粗密,前方刻纹与唇基上的相似;上唇及其喙状部边缘有锯齿状深裂,喙状部的中纵脊弱小或缺;触角 10 节,鳃片部长于前 6 节的总和,第 3、4 节等长, 5、6 节均较短。前胸背板甚横宽,长宽比 3:8, 刻点粗而密,侧缘均匀弯突,前角直角形,后角宽圆。小盾片三角形, 刻点密, 边光滑。鞘翅纵肋稍隆起,肋间刻点甚粗大而密,点间略皱,缝角圆,具皱刻。臀板皱刻细微,披毛较长。腹部侧缘具隆脊。前胫 3 齿尖锐,基齿细小,远离中齿; 后胫粗大;前、中足大爪的爪齿细小。雄外生殖器阳基侧突外缘近端部具一逆向的小锐齿(图 1)。

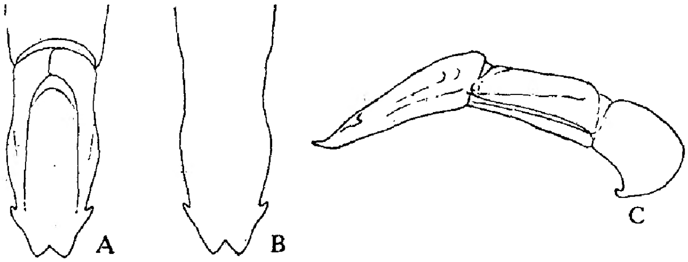

图 1 *Adoretus runcinatus* sp. nov.
♂外生殖器: A. 背面, B. 腹面, C. 侧面

♀,前胫 3 齿等距而粗大。

正模♂,云南西双版纳勐混(1,200—1,400 米, 1958. V. 21, 郑乐怡)。配模♀,地点同(1,200—1,400 米, 1958. X. 28, 洪淳培)。 副模♀, 地点同。

本种与 *A. tonkinensis* Ohaus 相似,但体形较长,眼大而突, 两眼间距离较窄, 鞘翅疏生较长竖毛。

Adoretus (*Prionadoretus*) *bilobatus* 新种

体长 7.5—8.5 毫米,体宽 3.8—4.5 毫米。

褐色,头和跗节深褐。披均匀不密的短细卧毛,显露底色,头部毛较长,在鞘翅上的最短,臀板披长毛。

体长形,后部较宽。唇基半圆形,边缘上卷,布锯齿状细刻和小粒疣;额唇基缝后弯;额头顶部刻点粗而密,前端刻纹与唇基上的近似;上唇及其喙状部边缘有锯齿状深裂,后者的中纵脊发达;触角 10 节,鳃片部长于前 6 节的总和,第 2、3 节几等长,4、5 节均较短而等长。前胸背板甚横宽,长宽比 3:8,刻点粗密,点间与刻点大小略等,侧缘显著弯突,前角直角形,向前突出,后角宽圆。小盾片三角形,质地如前胸背板。鞘翅纵肋微隆起,肋间刻点甚粗密,点间略皱,缝角略圆,肩瘤和端瘤不发达。臀板皱刻细弱。腹部两侧具弱隆堤。前胫 3 齿尖锐,几等距;前、中足大爪的爪齿不弱。雄外生殖器阳基侧突从基部至端部逐渐尖削,端部 2 裂(图 2)。

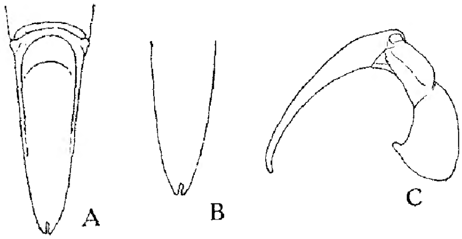

图 2 *Adoretus bilobatus* sp. nov.
♂外生殖器: A. 背面, B. 腹面, C. 侧面

正模♂,配模♀,云南西双版纳勐混(750 米, 1958. V. 31, 张毅然)。

本种与 *A. tonkinensis* Ohaus 甚相似,但上唇锯齿达喙端,喙部的中纵脊发达,雄外生殖器差别明显。与 *A. runcinatus* 新种的区别是眼间距离较宽,前胸背板侧缘强烈弯突,前胫 3 齿等距。

Adoretus (*Prionadoretus*) *hirticollis* 新种

体长 7.5—8 毫米,体宽 3.5—4 毫米。

浅黄褐色,头、臀板、腹面和跗节色深。披黄白色卧毛,均匀,可见底色,背面头部披毛较长(前半部毛短),前胸背板毛较短,在鞘翅上的最短,臀板披毛长,眼内缘和前胸背板侧缘各具一列长毛,前胸背板近两侧聚生数根长竖毛。

体长圆形。唇基长,抛物线形,边缘上卷较弱,布锯齿状刻纹和小粒疣;额唇基缝比较直;额头顶部刻点细密;上唇及其喙状部边缘有锯齿状深裂,喙部的中纵脊发达;触角 9 节,鳃片部与前 5 节之和几等长,第 3、4、5 节约等长。前胸背板甚横宽,长宽比 3:8,刻点颇粗浅而密,点间与刻点大小略等或稍大,侧缘强烈弯突,前角直角形,向前突出,后角宽圆。小盾片三角形,质地如前胸背板。鞘翅纵肋稍隆起,肋间刻点粗密,肩瘤和端瘤不发达。臀板皱刻细密。腹部侧缘具隆脊。前胫 3 齿等距,基齿十分微小,中齿粗大;前、中足大爪的爪齿发达。雄外生殖器阳基侧突二叶深裂几达基部(图 3)。

♀鞘翅侧缘在肩瘤后方的镶边粗而宽,达鞘翅中部。

正模♂,配模♀,云南西双版纳勐啊(1,500—1,080 米, 1958. VII. 8, 蒲富基)。副模 2♀♀,勐啊,勐腊。

本种与上述二种的区别,在于体色较浅,触角 9 节,♂前胫基齿十分微弱,♀鞘翅侧缘

具一宽镶边。

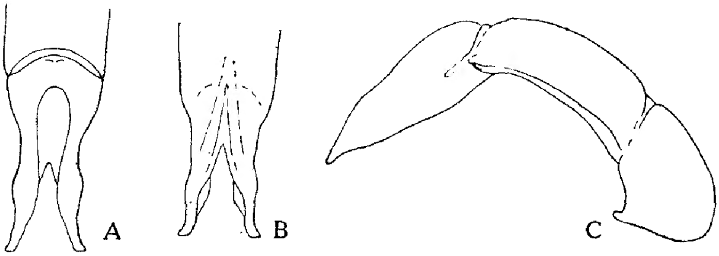

图 3　*Adoretus hirticollis* sp. nov.
♂外生殖器：A. 背面，B. 腹面，C. 侧面

Adoretus (*Chaetadoretus*) *striatus* 新种

体长 9—10 毫米，体宽 4—4.5 毫米。

褐色。披白色短卧毛，不密，鞘翅纵肋部分毛稍密，成或隐或现的纵条纹，端瘤具毛丛，紧接前方，形成一曲折横毛列，其毛疏密不等形成毛斑；端瘤后半的垂直部光裸无毛。此外，鞘翅上杂生稀疏的长竖毛，臀板披颇密的长竖毛。

体瘦长，两侧平行。唇基横宽，前缘略弯而突出，前角宽圆，边缘上卷，沿边具一列密短毛，布锯齿状横刻和小粒疣；额唇基缝略后弯；眼显然突出；额头顶部刻点粗密，前端刻纹与唇基上的相似；上唇喙状部具一中纵脊；触角10节，鳃片部长于前 6 节总和，第 3 节稍短于前一节，后二节等长而横短。前胸背板甚横宽，长宽比 3:8，刻点粗密，点间与刻点大小略等或略大，侧缘几不弯，前角直角形，略前突，后角宽圆。小盾片三角形，刻点细密。鞘翅纵肋可见，肋间刻点粗大而密，点间隆起，端瘤发达，缝角圆，表面粗糙。臀板皱刻细密。腹部侧缘呈隆脊状。前胫中齿接近端齿，中齿和基齿之间直；前、中足大爪的爪齿甚细小；后胫中部甚宽膨。雄外生殖器阳基侧突近端部略弯拱，端部具二齿(图 4)。

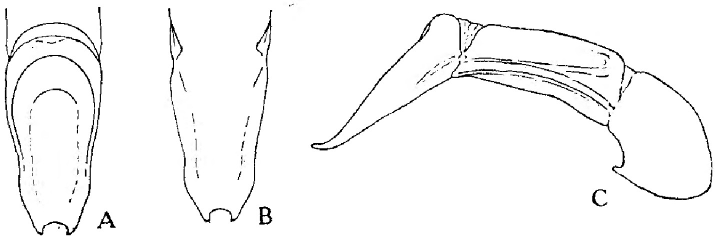

图 4　*Adoretus striatus* sp. nov.
♂外生殖器：A. 背面，B. 腹面，C. 侧面

正模♂，云南西双版纳小勐养(850 米，1957. VI. 11，王书永)。副模♂，地点同。

本种与 *A. tetracanthus* Ohaus 相似，但体型细长，前胸背板侧缘近平行，鞘翅纵肋披毛稍密，后胫中部显著膨大突出，♂外生殖器差别明显。

Adoretus (*Chaetadoretus*) *sexdentatus* 新种

体长 12 毫米,体宽 5.5 毫米。

褐或黄褐色,头、臀板、腹面和足黑褐色。披白色短卧毛,均匀颇密,显露底色,背面散杂着较粗长的竖毛,臀板毛较长。

体长形,后部较宽。唇基横宽,前缘弯突,前角宽圆,边缘上卷,沿边具一列密短毛,表面布锯齿状刻纹;额唇基缝近于直形;额头顶部皱刻粗密;上唇边缘的横脊列发达,喙部具中纵脊;触角 10 节,鳃片部显著长于前 6 节总和,第 3 节细长,4—7 节横短。前胸背板横宽,长宽比 2:5,刻点粗密,点间隆起,小于刻点,侧缘略弯突,前角直角形,后角宽圆。小盾片三角形,刻点细密。鞘翅纵肋窄,稍隆起,肋间刻点粗密,点间隆起,缝角圆。臀板皱刻细密。腹部侧缘呈棱脊状。前胫中齿稍近端齿;前、中足大爪的爪齿甚细小;后足内爪长于外爪之半。雄外生殖器阳基侧突端部具 4 齿,侧缘在向下弯折点左右各具一齿(图 5)。

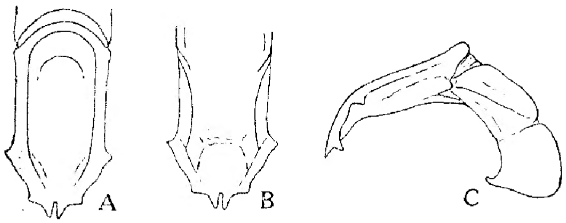

图 5 *Adoretus sexdentatus* sp. nov.
♂外生殖器: A. 背面, B. 腹面, C. 侧面

正模♂,云南西双版纳大勐龙(650 米,1958. V. 7,郑乐怡)。副模 2♂♂,大勐龙,勐啊。

本种与 *A. polyacanthus* Ohaus 甚相似,但体型较大,前胫中齿稍近端齿,前、中足大爪的爪齿甚细小,雄外生殖器差别明显。

NEW SPECIES OF THE GENUS *ADORETUS* CAST. FROM YUNNAN (SCARABAEIDAE: RUTELINAE)

LIN PING

(*Kwangtung Institute of Entomology*)

Five new species of the genus *Adoretus* Cast. collected from Yunnan are described.

Adoretus (*Prionadoretus*) *runcinatus* sp. nov.

Length: 9—10 mm, width: 4—4.7 mm.

Brown or darkish brown; with thin and even decombent short hairs and interspersed with a few longer erect ones.

Elongate, broader posteriorly. Clypeus semicircular, reflexed, finely granulated; fronto-vertex rather closely and densely punctured, subrugosed anteriorly; margins of labrum deeply serrated, with a weak median longitudinal carina; antennae 10-segmented. Pronotum very broad and short, closely and strongly punctured, sides

evenly rounded, front angles rectangular, hind angles rounded off. Elytra coarsely and densely punctured. Pygidium very finely strigosed, with longer and closer erect hairs just above the apex. A carina extending along each side of abdomen. Fore-tibia tridentate, the middle tooth near apical one. Male genitalia as shown in fig. 1.

♀, three teeth of Fore-tibia equidistant.

Holotype ♂, Yunnan: Shishong-Baanna, 1,200—1,400 m, V 21, 1958.

This species resembles *A. tonkinensis* Ohaus, but size larger, interspace between eyes broader, elytra with a few scanty erect hairs.

Adoretus **(*Prionadoretus*)** ***bilobatus*** **sp. nov.**

Length: 7.5—8.5 mm, width: 3.8—4.5 mm.

Brown, head and tarsi reddish brown; with closely distributed decombent short hairs.

Oblong, broadened behind. Clypeus semicircular, moderately reflexed, surface finely granulated; fronto-vertex closely and strongly punctured, finely rugosed anteriorly; labrum has a strong median longitudinal carina, both sides deeply serrated; antennae 10-segmented. Pronotum very broad, closely and strongly punctured, sides strongly rounded, front angles rectangular, hind angles broadly rounded. Elytra coarsely and closely punctured, with slightly elevated costae. Pygidium finely strigosed. Abdomen with a weak carina along each side. Fore-tibia equidistantly tridentated. Male genitalia as shown in fig. 2.

Holotype ♂, Yunnan: Shishong-Baanna, 750 m, V 31, 1958.

Very similar to *A. tonkinensis* Ohaus in general appearance, but the serration on the sides of labrum extending to apex, the longitudinal carina upon rostrum stronger; differs from *A. runcinatus* sp. nov. by the wider interspace between eyes and the more rounded sides of pronotum.

Adoretus **(*Prionadoretus*)** ***hirticollis*** **sp. nov.**

Length: 7.5—8 mm, width: 3.5—4 mm.

Light brown, head and legs reddish brown, tarsi darker, lower surface and pygidium dark brown; with rather dense decombent yellowish short hairs, which longer upon head.

Oblong. Clypeus long parabolic, reflexed, finely rugosed and granulated, fronto-vertex rather closely punctured, edges of labrum deeply serrated, with a developed longitudinal median carina; antennae 9-segmented. Pronotum much broad, strongly and closely punctured, besides some longer erect hairs along front and lateral margins, a few such hairs scantly tufting upon each side just behind eyes, sides rather evenly rounded, front angles produced, hind angles broadly rounded. Elytra coarsely and closely punctured, costae slightly elevated. Pygidium finely and closely strigosed, with long erect hairs. Abdomen with a carina extending along each side; fore-tibia tridentate and equidistant, the basal tooth very minute. Male genitalia as shown in **fig.** 3.

♀, the outer margins of elytra markedly dilated behind shoulder.

Holotype ♂, Yunnan: Shishong-Baanna, 1500—1080 m, VII 8, 1958.

This species can be easily separated from above two species by the paler colour, the 9-segmented antennae and the minute basal tooth of fore-tibia.

Adoretus (*Chaetadoretus*) *striatus* sp. nov.

Length: 9—10 mm, width: 4—4.5 mm.

Brown; with net close decombent white hairs, which somewhat closer along elytral costae forming inconspicuous stripes, and interspersed with a few scanty erect longer hairs, a hairy patch upon each apical callus, where a marked transverse line of slightly longer and closer hairs across it, and its vertical part entirely hairless. Pygidium with rather closer and longer erect hairs.

Narrowly elongate with parallel sides. Clypeus well transverse, reflexed, finely rugosed and granulated; vertex closely and strongly punctured; antennae 10-segmented. Pronotum very transverse, coarsely and closely punctured, sides nearly straight, front angles retangular, hind angles rounded. Elytra punctured as that on pronotum, costae weakly elevated. Pygidium very convex, finely and closely strigosed. A carina extending along each side of abdomen. Fore-tibia bears three teeth, the middle tooth approaching apical one. Male genitalia as shown in fig. 4.

Holotype ♂, Yunnan: Shishong-Baanna, 850 m, VI 11, 1957.

Allied to *A. tetracanthus* Ohaus, but body very narrow and long, sides of pronotum nearly straight, elytral costae with denser hairs.

Adoretus (*Chaetadoretus*) *sexdentatus* sp. nov.

Length: 12 mm, width: 5.5 mm.

Brown or yellowish brown, head, pygidium, legs and ventral surface dark brown; with rather dense short whitish decombent hairs, interspersed with a few longer erect setae above, pygidium bears longer hairs.

Elongate. Clypeus transverse, reflexed, finely rugosed and granulated, frontovertex closely and densely rugoso-punctured; antennae 10-segmented. Pronotum broad, closely and strongly punctured, sides slightly rounded. Elytra coarsely and closely punctured, with narrowly slightly elevated costae. Pygidium finely and closely strigosed. Sides of abdomen each has a sharp carina. Male genitalia as shown in fig. 5.

Holotype ♂, Yunnan: Shishong-Baanna, 650 m, V 7, 1958.

Very like *A. polyacanthus* Ohaus, distinguished chiefly by the larger size, the middle tooth of fore-tibia near apical one, paramere diverse evidently.